

**Notice of Allowability**

Application No.	Applicant(s)
10/828,493	HORIUCHI ET AL.
Examiner	Art Unit
Anastasia Midkiff	2882

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to RCE filed 08 November 2006.
2.  The allowed claim(s) is/are 1-18,20-23,25,26,28 and 29.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

ASM

**DETAILED ACTION**

***Allowable Subject Matter***

Claims 1-18, 20-23, 25, 26, 28, and 29 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to Claims 1 and 3, the prior art of record teaches many of the elements of the claimed invention, including a lamp with a reflector, comprising: a high pressure mercury lamp including a luminous bulb with at least mercury enclosed therein and a pair of sealing portions extending from the luminous bulb; a reflector for reflecting light emitted from the high pressure mercury lamp; wherein the reflector has a first opening located in a forward position of the reflector with respect to the light emission direction, the reflector is formed with a second opening into which one of the pair of sealing portions is inserted, and clearance between the one said sealing portion and the second opening is substantially filled; each pair of the sealing portions includes a first glass portion extending from the luminous bulb; when the pair of sealing portions are disposed to extend in the substantially horizontal direction, an air inlet is formed in a region of the reflector located below the sealing portion and in front of the luminous bulb with respect to the light emission direction, and an air vent is formed in a region of the reflector located above the sealing portion and in front of the luminous bulb with respect to the light emission direction; a duct for passing air is coupled to the air inlet; and the air inlet and air vent are arranged so that the air is introduced through the air inlet toward the high pressure mercury lamp and is ejected from the air vent.

However, prior art fails to teach or fairly suggest the lamp wherein each of said pair of sealing portions further includes a second glass portion provided in at least a portion of the inside of the first glass portion, so that both of the pair of sealing portions have portions to which a compressive stress is applied, in the manner required by independent claims 1 and 3.

Claims 2, 4-18, 20-23, 25, 26, 28, and 29 are allowed by virtue of their dependency upon Claims 1 and 3.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

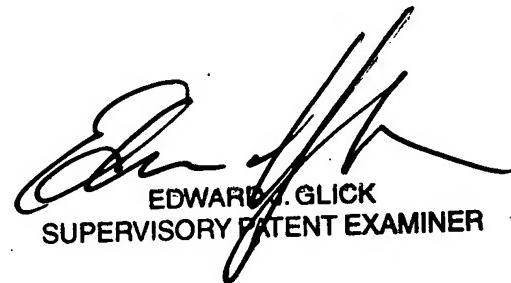
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anastasia Midkiff whose telephone number is 571-272-5053. The examiner can normally be reached on M-F 7-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Glick can be reached on 571-272-2490. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ASM  
3/13/07

  
EDWARD J. GLICK  
SUPERVISORY PATENT EXAMINER

